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APPLICATION NO).	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/676,060	576,060 10/03/2003		Toshiaki Ariyoshi	IIW-032	7744
959	7590	12/15/2005		EXAMINER	
		FIELD, LLP.	RUTHKOSKY, MARK		
28 STATE STREET BOSTON, MA 02109				ART UNIT	PAPER NUMBER
				1745	
			DATE MAILED: 12/15/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)		
		10/676,060	ARIYOSHI ET AL.		
	Office Action Summary	Examiner	Art Unit		
		Mark Ruthkosky	1745		
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet with the o	correspondence address		
A SH WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING Ensions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by staturely received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin 1 will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
	Responsive to communication(s) filed on <u>16 A</u> This action is FINAL . 2b)⊠ Thi	A <i>pril 2004</i> . s action is non-final.			
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.		
Dispositi	on of Claims				
5)□ 6)⊠ 7)□	Claim(s) <u>1-3</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) <u>1-3</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/a	awn from consideration.			
Applicati	on Papers				
10)	The specification is objected to by the Examin The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	cepted or b) objected to by the lead of a cepted or b) objected to by the lead in abeyance. See cition is required if the drawing(s) is objection is required.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority u	ınder 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) 🔲 Notice 3) 🔯 Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date 10/2/03, 4/16/04.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:			

DETAILED ACTION

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Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

The information disclosure statements filed 10/2/2003 and 4/16/2004 have been placed in the application file, and the information referred to therein has been considered as to the merits.

Drawings

The drawings filed on 10/2/2003 have been approved.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Einhart et al. (EP 1,001,666.)

Einhart et al. (EP 1,001,666) teaches a fuel cell comprising a fuel cell stack including a plurality of fuel cells separated by separators and electrically connected through the separators (figure 1.) The cells are arranged into clusters and include clusters of terminals extending from the separators. The fuel cell includes a processing circuit connected to the separator. A plurality of connector modules include a connector portion and a main body portion that is smaller in width than the connector portion (figures 4-7.) The terminal clusters are alternately provided at a first side of a first end of a separator and the other at a second side of the first end (see figure 3 and the corresponding text.) The fuel cell is enclosed in a case (col. 4, line 55.) Thus, the claims are anticipated.

Claims 2-3 are rejected under 35 U.S.C. 102(b) as being anticipated by (Early et al. US 4,310,605.)

Early et al. (US 4,310,605) teaches a fuel cell comprising a fuel cell stack including a plurality of fuel cells separated by separators and electrically connected through the separators (figures 1-3.) The cells are arranged into clusters and include clusters of terminals extending from the separators (see col. 5, line 63-col. 6, line 13, figures 6-7 and 9.) A sheet body is disclosed between cell clusters. The fuel cell includes a processing circuit connected to the separators (figure 7.) A plurality of connector modules include a connector portion and a main body portion that is smaller in width than the connector portion (figures 6-7 and 9.) The terminal clusters are alternately provided at a first side of a first end of a separator and the other at a

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second side of the first end (see figures 6, 7, and 9 and the corresponding text.) The fuel cell is enclosed in a case. Thus, the claims are anticipated.

Examiner Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Ruthkosky whose telephone number is 571-272-1291. The examiner can normally be reached on FLEX schedule (generally, Monday-Thursday from 9:00-6:30.) If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached at 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free.)

Mark Ruthkosky
Primary Patent Examiner
Art Unit 1745

128-05